

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013804**Date Inspected:** 24-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

Segment 9DW

This QA Inspector performed Inspection along with Caltrans QA Mr. Manikandan for the following Segment 9DW from Panel Point (PP) 80 to 82 for the following items.

Measured and Recorded the Corner Assembly Cope Holes dimension measurements at PP 79.5, PP 80, PP 80.5, PP 81, PP 81.5 and at PP 82 Cross Beam and Counter Weight side.

Side Panel T-Ribs to T-Ribs at FL3 locations measured and recorded the Horizontal Offset and Vertical Offset and Bucking of Cope Holes at Floor Beam Locations from PP 80 to PP 80.5, PP 81 to PP 81.5 and PP 81.5 to PP 82.

Segment 7CW to 7DW (Longitudinal Diaphragm) Joint Survey

This QA Inspector performed Joint Inspection with ZPMC Survey Team and ABF Survey Team for the

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Longitudinal Diaphragm between Segment 7CW to 7DW (Field Segment Splice) between Panel Point (PP) 55 and PP 56 North(Cross Beam) and South (Bike Path) side for Offset and Sweep. The offset was measured at 5 (five) different locations in which 2 (Two) locations were at Flange area and 3 (Three) locations were at Web area and Sweep was measured at 100 mm from both side from the Floor Beam and 800mm from both side of floor Beam and at Centre (Total 5 Locations). The measured readings were recorded on spread sheet and submitted to the Task Leader and Engineer for review.

Segment 7AW

This QA Inspector performed Inspection along with Caltrans QA Mr. Manikandan for the following Segment 7AW from Panel Point (PP) 48 and PP 49 for the following items.

Deck Panel Diaphragm to Deck Panel Plumbness and Flatness measured from the East and West Side the recorded measurements submitted to lead as well to the engineer for further action.

Segment 7BW

This QA Inspector performed Inspection along with Caltrans QA Mr. Manikandan for the following Segment 7BW from Panel Point (PP) 50, PP 51 and PP 52 for the following items.

Deck Panel Diaphragm to Deck Panel Plumbness and Flatness measured from the East and West Side the recorded measurements submitted to lead as well to the engineer for further action.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
